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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/705,594		11/10/2003	Snehamay Sinha	TI-35577	6246
23494	494 7590 03/23/2005			EXAMINER	
		ENTS INCORPO	LEVIN, 1	LEVIN, NAUM B	
	P O BOX 655474, M/S 3999 DALLAS, TX 75265				PAPER NUMBER
2.122.10,	,,,,,	•		2825	•

DATE MAILED: 03/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
		10/705,594	SINHA ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Naum B. Levin	2825			
Period fo	The MAILING DATE of this communication a or Reply	ppears on the cover sheet with	the correspondence address			
THE - Extermination of the after - If the - If NO - Failur Any I	ORTENED STATUTORY PERIOD FOR REF MAILING DATE OF THIS COMMUNICATION asions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reperiod for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by state the provided by the Office later than three months after the material part of the provided by the Office later than three months after the material part of the provided by the Office later than three months after the material part of the provided by the Office later than three months after the material part of the provided by the Office later than three months after the material part of the provided by the Office later than three months after the material part of the provided by the Office later than three months after the material part of the provided by the Office later than three months after the material part of the provided by the Office later than three months after the material part of the provided by the Office later than three months after the material part of the provided by the Office later than three months after the material part of the provided by the Office later than three months after the material part of the provided by the Office later than three months after the provided by the Office later than three months after the provided by the Office later than three months after the provided by the Office later than three months after the provided by the Office later than three months after the provided by the Office later than three months after the provided by the Office later than three months after the provided by the Office later than three months after the provided by the Office later than three months after the provided by the Office later than three months after the provided by the Office later than the provided by the Office later than three months after the provided by the Office later than the provided	N. 1.136(a). In no event, however, may a repepty within the statutory minimum of thirty will apply and will expire SIX (6) MONT ute, cause the application to become ABA	ly be timely filed (30) days will be considered timely. IS from the mailing date of this communication. NDONED (35 U.S.C. § 133).			
Status						
1) 又	Responsive to communication(s) filed on 10	November 2003.				
/		nis action is non-final.				
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Dispositi	on of Claims					
5)□ 6)⊠ 7)□	,,					
Applicati	on Papers					
10)⊠	The specification is objected to by the Exami The drawing(s) filed on 10 November 2003 is Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct the oath or declaration is objected to by the	s/are: a)⊠ accepted or b)□ on the drawing(s) be held in abeyance the drawing(s)	e. See 37 CFR 1.85(a).) is objected to. See 37 CFR 1.121(d).			
Priority u	ınder 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment	• •	_				
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)		mmary (PTO-413) Mail Date			
3) 🔲 Inform	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/0 · No(s)/Mail Date		ormal Patent Application (PTO-152)			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claim 1 is rejected under 35 U.S.C. 102(b) as being unpatentable by Kimura et al. (US Pub. No.: 20010029601 A1).

As to claim 1 Kimura discloses semiconductor device analyzer including:

1. A method for estimating noise in an integrated circuit substrate, comprising the steps of:

creating a model file (input data) for a technology process for fabricating the integrated circuit (target semiconductor device) ([0066]- [0068]; [0096]);

estimating noise generated by a digital circuit and input/output circuitry to be implemented in the integrated circuit (extracting the substrate coupling noise in form of substrate network model of three-dimensional meshes representing the substrate of a target semiconductor device at a surface of and in which circuit elements are merged and defining influence of parasitic elements) ([0004]; [0021]-[0022]; [0046]);

generating a substrate netlist for the integrated circuit ([0022]; [0098]);

determining a floorplan (geometrical and physical characteristics) for the integrated circuit ([0004]; [0096]-[0097]);

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running transient simulations with predetermined input values ([0099]- [0100]); determining if predetermined noise requirements are met in results of the transient simulations ([0100]-[0101]).

Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Saito (US Pub. No.: 20020095648) recites layout method of an analog/digital mixed semiconductor integrated circuit of the present invention has the steps of: quantitatively calculating a noise circulation amount with parameters of distances between an analog element, a digital element, and a substrate contact dedicated terminal for the digital element; calculating an optimal layout position of the substrate contact dedicated terminal from a position where the noise circulation amount is smallest; and placing the contact dedicated terminal in the optimal calculated layout position and in the layoutable position.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Naum B. Levin whose telephone number is 571-272-1898. The examiner can normally be reached on M-F (8:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew S. Smith can be reached on 571-272-1907. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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